

lectures SPL
lectures MS
guest lecture
exercices in class
project mentoring
graded quiz
final project presentations, in class
Fall break - no class

teachers: SPL- S Lacour
MS- M Shoaran
TAs: Assistants
G- Guest lecturer
GS- G Schiavone

week	month	day	time	AAC231	Topic (tentative titles)	course type	teacher	tasks	
1	September	11	9.15am	AAC231	Introduction	lecture	SPL		
			10.15	AAC231	What is a neural interface?	lecture	SPL		
			11.15	AAC231	Examples	lecture	SPL		
1	September	12	9.15am	AAC231	Clinical neural interfaces	lecture	SPL		
			10.15	AAC231	Clinical neural interfaces	lecture	SPL		
			11.15	AAC231	Project intro	project	TAs		
2	September	18	9.15am	AAC231	Introduction by Mahsa Shoaran	lecture	MS		
			10.15	AAC231	Miniaturized CMOS interfaces	lecture	MS		
			11.15	AAC231	Project time	project	TAs		
2	September	19	9.15am	AAC231	The nervous system: anatomy	lecture	GS		
			10.15	AAC231	The nervous system: physical properties	lecture	GS		
			11.15	AAC231	Electrode interface	lecture	GS	project registration deadline	
3	September	25	9.15am	AAC231	Electrode electrochemical characterisation	lecture	GS		
			10.15	AAC231		lecture	GS		
			11.15	AAC231	Project time	project	TAs		
3	September	26	9.15am	AAC231	TAs: review	Review	TAs		
			10.15	AAC231	Problem set 1- Electrode characterization	exercise	TAs	exercise 1	
			11.15	AAC231		exercise	TAs		
4	October	2	9.15am	AAC231	Neurostimulation	lecture	GS		
			10.15	AAC231		lecture	GS		
			11.15	AAC231	Project time	project	TAs		
4	October	3	9.15am	AAC231	Examples	lecture	GS		
			10.15	AAC231		lecture	GS		
			11.15	AAC231		exercise	GS		
5	October	9	9.15am	AAC231	Electrode design and manufacturing - Clinical electrodes	lecture	GS		
			10.15	AAC231	Electrode design and manufacturing - Microfabricated electrodes (Si)	lecture	GS		
			11.15	AAC231	Project time	project	TAs		
5	October	10	9.15am	AAC231	Electrode design and manufacturing - Microfabricated electrodes (thin films)	lecture	GS		
			10.15	AAC231		lecture	GS		
			11.15	AAC231	project time	project	TAs	2-pager submission	
6	October	16	9.15am	AAC231	Packaging	lecture	GS		
			10.15	AAC231	Biointegration	lecture	GS		
			11.15	AAC231	project time	project	TAs		
6	October	17	9.15am	AAC231	Recap	lecture	GS		
			10.15	AAC231	Problem set 2- Implant fabrication	exercise	TAs	exercise 2	
			11.15	AAC231		exercise	TAs		
7	October	23	9.15am	AAC231	week off				
			10.15	AAC231					
			11.15	AAC231					
7	October	24	9.15am	AAC231					
			10.15	AAC231					
			11.15	AAC231					
8	October	30	9.15am	AAC231	Multimodal neural interfaces	lecture	GS		
			10.15	AAC231	Final recap	lecture	GS		
			11.15	AAC231	project time	project	TAs		
8	October	31	9.15am	CO 1	QUIZ 1 starting at 9.15am, 1 hour		GS	QUIZ 1	
			10.15	CO 1	in class		GS		
			11.15	CO 1			GS		
9	November	6	9.15am	AAC231	Neural amplifiers: CMOS design review	lecture	MS		
			10.15	AAC231		lecture	MS		
			11.15	AAC231	project time	project	TAs		
9	November	7	9.15am	AAC231	Neural amplifiers	lecture	MS		
			10.15	AAC231		lecture	MS		
			11.15	AAC231	project time	project	TAs		
10	November	13	9.15am	AAC231	Problem set 3 - CMOS amplifiers	exercise	TAs	exercise 3	
			10.15	AAC231	Problem set 3 - CMOS amplifiers	exercise	TAs		
			11.15	AAC231	project time	project	TAs		
10	November	14	9.15am	AAC231	Guest lecture		G		
			10.15	AAC231			G		
			11.15	AAC231	project time	project	TAs		
			9.15am	AAC231	Digitization and compression of neural signals	lecture	MS		

11	November	20	10.15	AAC231		lecture	MS	
			11.15	AAC231	project time	project	TAs	
11	November	21	9.15am	AAC231	Neural signal compression	lecture	MS	
			10.15	AAC231		lecture	MS	
			11.15	AAC231	project time	project	TAs	
12	November	27	9.15am	AAC231	Neurostimulation	lecture	MS	
			10.15	AAC231		lecture	MS	
			11.15	AAC231	project time	project	TAs	
12	November	28	9.15am	AAC231	Prediction of neurological disorders	lecture	MS	
			10.15	AAC231		lecture	MS	
			11.15	AAC231	Problem set 4 - Neural interface electronics	exercise	TAs	exercise 4
13	December	4	9.15am	AAC231	Closed-loop interfaces and BMIs	lecture	MS	
			10.15	AAC231		lecture	MS	
			11.15	AAC231	project time	project	TAs	
13	December	5	9.15am	AAC231	QUIZ 2 starting at 9.15am, 1:15 hour (+25%)		MS	QUIZ 2
			10.15	AAC231	in class		MS	
			11.15	AAC231			MS	
14	December	11	9.15am	AAC231	project presentations		SPL, MS, TAs	
			10.15	AAC231	project presentations		SPL, MS, TAs	
			11.15	AAC231	project presentations		SPL, MS, TAs	
14	December	12	9.15am	AAC231	project presentations		SPL, MS, TAs	
			10.15	AAC231	project presentations		SPL, MS, TAs	
			11.15	AAC231	project presentations		SPL, MS, TAs	
15	December	18	9.15am	AAC231	PROJECT REPORT		SPL, MS, TAs	
			10.15	AAC231			SPL, MS, TAs	
			11.15	AAC231			SPL, MS, TAs	
15	December	19	9.15am	AAC231	PROJECT REPORT		SPL, MS, TAs	
			10.15	AAC231			SPL, MS, TAs	
			11.15	AAC231			SPL, MS, TAs	REPORT DEADLINE